

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20070060483".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 14:48
L2	1045	"KONISHI, SHOZABURO".in. or "KANO, MAKOTO".in. or "UENO, TAKAFUMI".in. or "ISHII KAWA, TAKAO".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/04 14:49
L3	1281	L2 or ("NIPPON OIL CORPORATION" or "NISSAN MOTOR CO.").as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/04 14:50
L4	87	L3 and (lubrica\$5 or fluid or composition) and ("diamond-like carbon" or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/01/04 14:51
L5	1376	508/167,433,109,154,179.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 14:51
L6	4165	428/408.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 14:51
L7	5528	L5 or L6	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 14:52
L8	180	L7 and ("diamond-like carbon" or "diamond like carbon" or "diamond- like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC) and lubricas\$5	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 14:59
L9	80	L8 and (molybdenum or mo)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:00
L10	10	L9 and salicylates	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:00
L11	9	("20020086803"   "20030162672"   "20040092405"   "20050241216"   "20050272616"   "5282990"   "6333298"   "6508416"   "6543394"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:01

L12	532	"20020057855"(US-PGPUB) "20020060982"(US-PGPUB) "20020174741"(US-PGPUB) "20030099416"(US-PGPUB) "20040146667"(US-PGPUB) "20040164502"(US-PGPUB) "20050062470"(US-PGPUB) "20050141797"(US-PGPUB) "20050229851"(US-PGPUB) "20050280413"(US-PGPUB) "20060095060"(US-PGPUB) "20060158181"(US-PGPUB) "20070060483"(US-PGPUB) "20070090741"(US-PGPUB) "20080146468"(US-PGPUB) "20080190284"(US-PGPUB) "5462784"(USPAT) "5482602"(USPAT) "5637373"(USPAT) "5672054"(USPAT) "5674638"(USPAT) "5734530"(USPAT) "5762110"(USPAT) "5837357"(USPAT) "5922415"(USPAT) "5947710"(USPAT) "5989672"(USPAT) "6001479"(USPAT) "6122148"(USPAT) "6165582"(USPAT) "6177754"(USPAT) "6194047"(USPAT) "6221108"(USPAT) "6221108"(USPAT) "6238197"(USPAT) "6328856"(USPAT) "6335080"(USPAT) "6373659"(USPAT) "6391419"(USPAT) "6461726"(USPAT) "6499881"(USPAT) "6529347"(USPAT) "6613459"(USPAT) "6615689"(USPAT) "6923451"(USPAT) "6954065"(USPAT) "6994474"(USPAT) "7012425"(USPAT) "7078895"(USPAT) "7172343"(USPAT)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:01
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L13	35	("diamond-like carbon" or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC or "diamond type" or "diamond-type" or (amorphous near carbon)) and (hydrocracked or hydrotreated or hydroisomerised or hydroisomerized or tropisch or "gas to liquid" or GTL or polyalphaolefin or poly-alpha-olefin or PAO) same4 (lubrica\$5 or oil or fluid) and @ad<"20030806"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:04
L14	71	("diamond-like carbon" or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC) and (GTL or "gas to liquid" or "Fischer-Tropsch" or fischer adj tropisch)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:04
L15	4	("Fischer-Tropsch" or fischer adj tropisch) and engine and viscosity near "100" and friction near (modifier or additive) and salicylate and phosph\$5 near (anti adj wear or anti-wear or wear)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:04
L16	28	("Fischer-Tropsch" or fischer adj tropisch) and engine and coefficient near friction and detergent and friction same2 amine.bi. and @ad<"20030806"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:05
L17	63	"internal combustion engine" and ("Fischer-Tropsch" or fischer adj tropisch or GTL or "gas to liquid") and friction same "aliphatic amine" and detergent.bi.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:05
L18	148	("Fischer-Tropsch" or fischer adj tropisch) and engine and (coefficient near friction) and detergent and (friction same2 amine).bi.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:06
L19	154	((("Fischer-Tropsch" or fischer adj tropisch) same (aromatic near content)) and ((sulfur or sulphur) near content))	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:07
L20	196	("Fischer-Tropsch" or fischer adj tropisch) and engine and (coefficient near friction)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:08
L21	7	(amorphous near carbon) and lubricant and ((molybdenum near dithiocarbamate) or MoDTc) and @ad<"20030806"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:08
L22	44	(amorphous near carbon) and lubricant and molybdenum and engine and @ad<"20030806"	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/04 15:08

L23	3	("diamond-like carbon" or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC or "diamond type" or "diamond-type" or (amorphous near carbon)) and (hydrocracked or hydrotreated or hydroisomerised or hydroisomerized or tropsch or "gas to liquid" or GTL or polyalphaolefin or poly-alpha-olefin or PAO)	FPRS; EPO; JPO	OR	ON	2011/01/04 15:09
L24	1	("diamond-like carbon" or "diamond like carbon" or "diamond-like coat" or "diamond like coat" or "diamond-like coating" or "diamond like coating" or DLC) and (GTL or "gas to liquid" or "Fischer-Tropsch" or fischer adj tropsch)	FPRS; EPO; JPO	OR	ON	2011/01/04 15:09

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L25	742	508/167,433,109,154,179.ccls.	USPAT; UPAD	OR	ON	2011/01/04 15:29
L26	3085	428/408.ccls.	USPAT; UPAD	OR	ON	2011/01/04 15:29

1/ 4/ 2011 3:32:17 PM

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